

YOR 92003.0171
Gustavson et al

SCK

Matrix Operation: $C = C - A^T * B$

100

$j = 0, N-1, NB$
 $i = 0, M-1, MB$
 $l = 0, K-1, KB$

104

Matrix C

103

(Entire matrix usually stored in column major format)

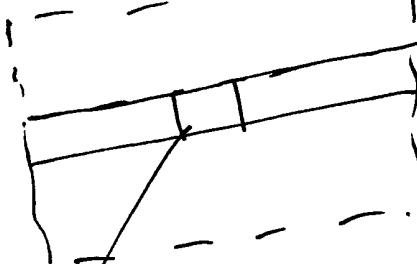


107
MBxNB Submatrix:
 $C(i:i+MB-1, j:j+NB-1)$

Matrix A

101

(Entire matrix usually stored in row major format)

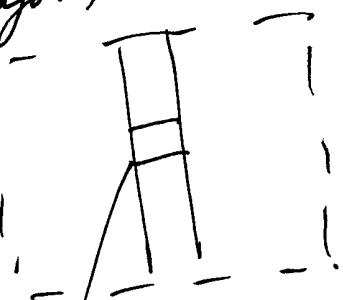


105
MBxKB Submatrix:
 $A(l:l+KB-1, i:i+MB-1)$
of block row vector
 $A(0:KB-1, i:i+MB-1)$

Matrix B

102

(Entire matrix usually stored in column major format)



106
KBxNB submatrix:
 $B(l:l+KB-1, j:j+NB-1)$
of block column vector
 $B(0:K-1, j:j+NB-1)$

FIGURE 1

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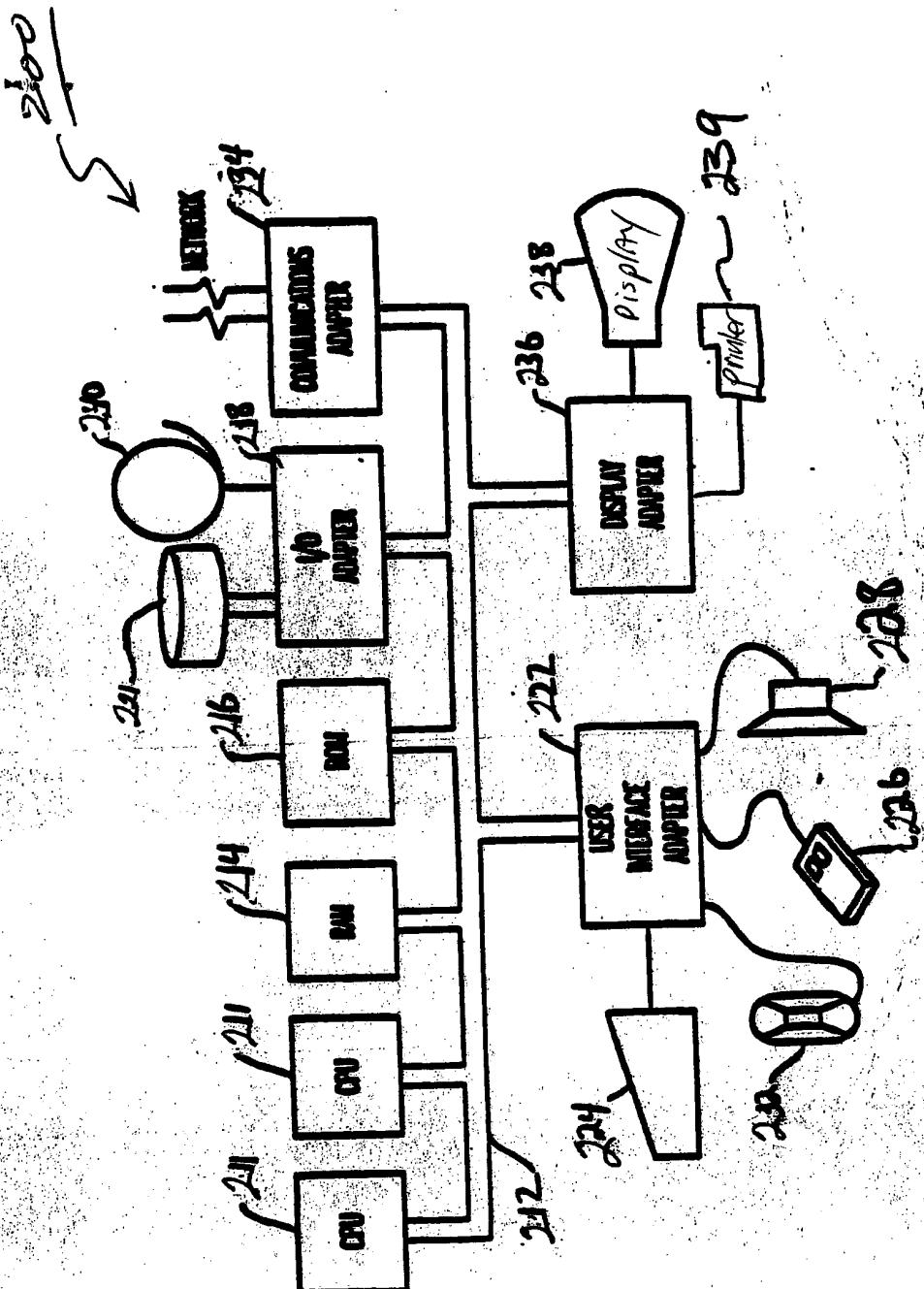


Figure 2

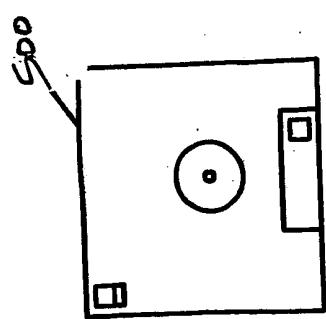


Figure 5

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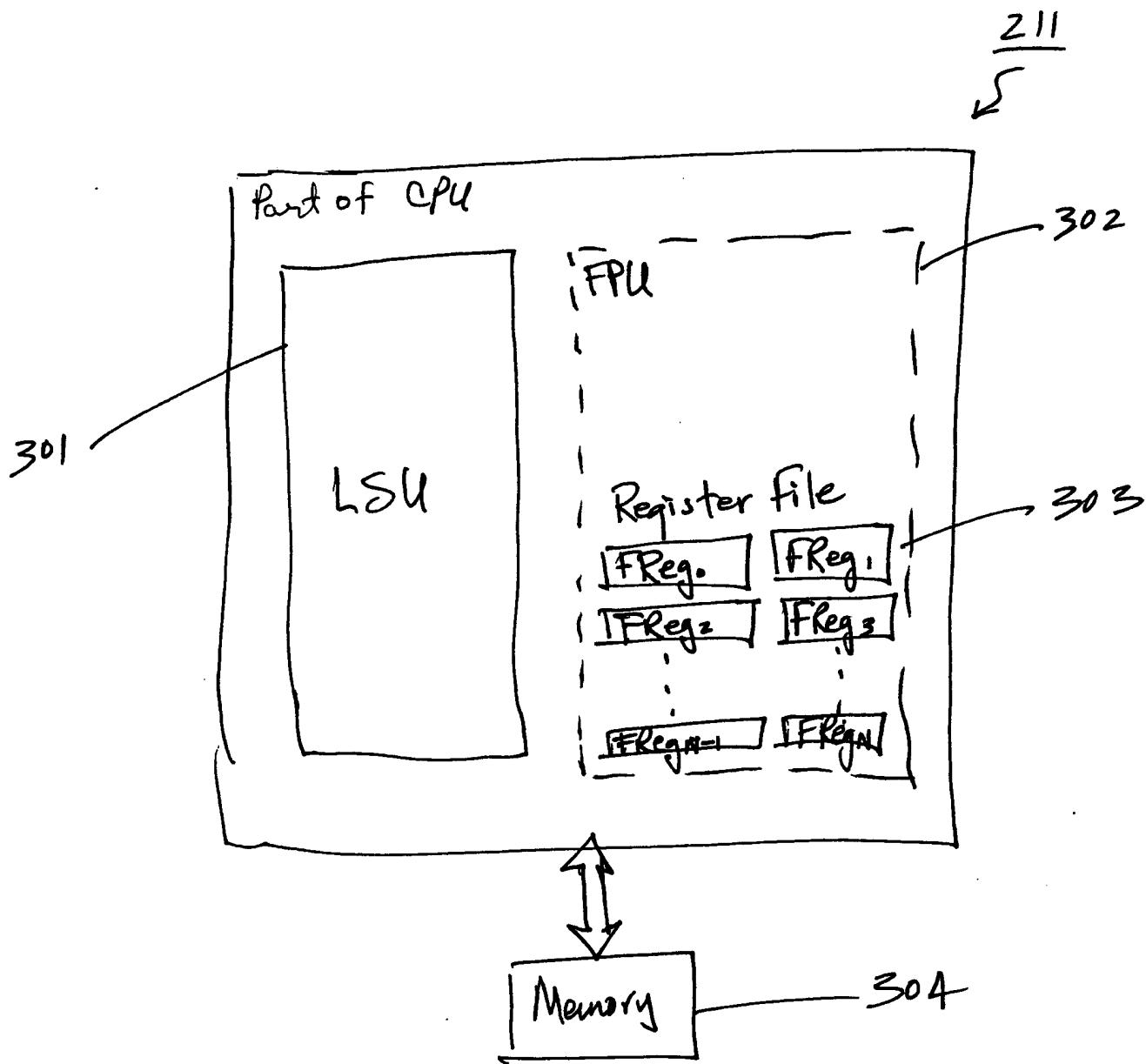


FIGURE 3

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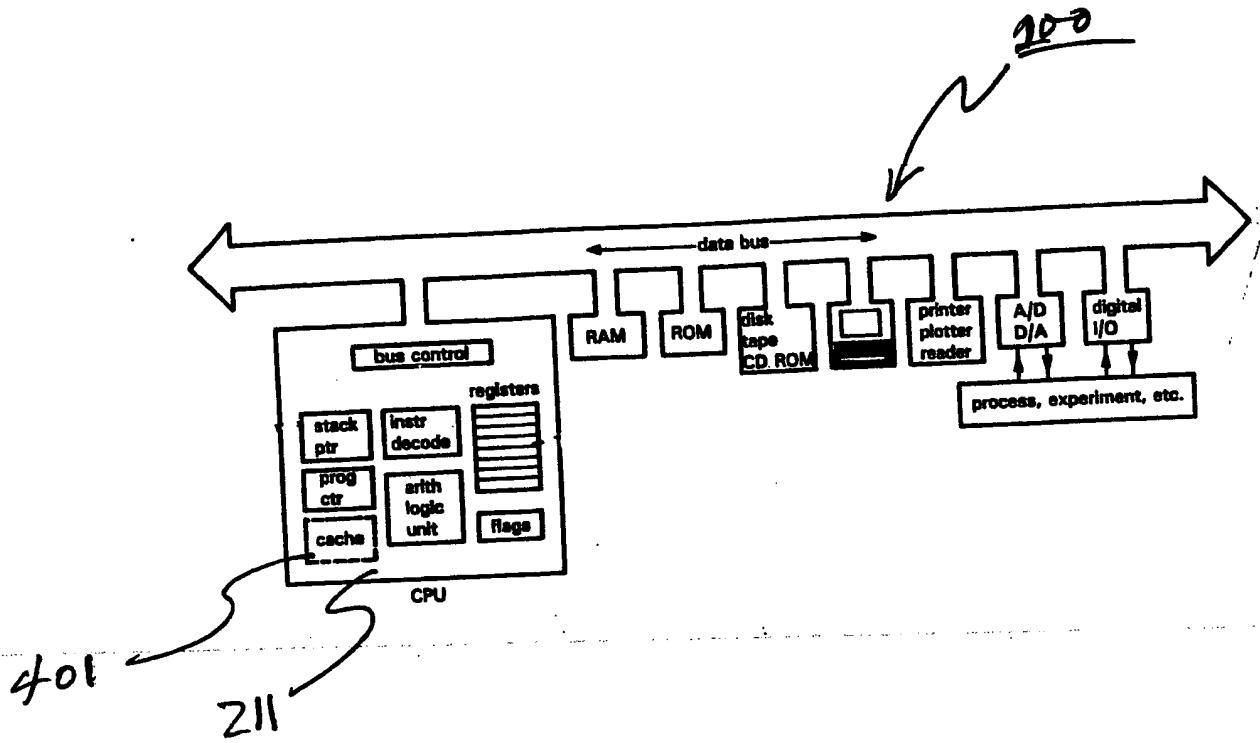


FIGURE 4